

**Summary:****Permeable Composite, Process of Production, and Use of the Permeable Composite**

- 5 A claim is laid to a permeable composite, a process of production of the composite as well as the use of this composite. The composite essentially contains a perforated and permeable carrier, on and in or on or in which another component that essentially contains metallic compounds with elements from group III to VI of the periodic system is stabilized. Stabilization of the component on or in the carrier is carried out by heating a suspension
- 10 consisting of the component suspended in a metallic oxide sol that has been applied onto or into or onto and into the carrier

- In this way, it is possible, to produce a permeable composite that is ideally suited for use in filtration and membrane technologies under very mild conditions either by heating for a short
- 15 time or warming for a longer time